Fig.1
Related Art

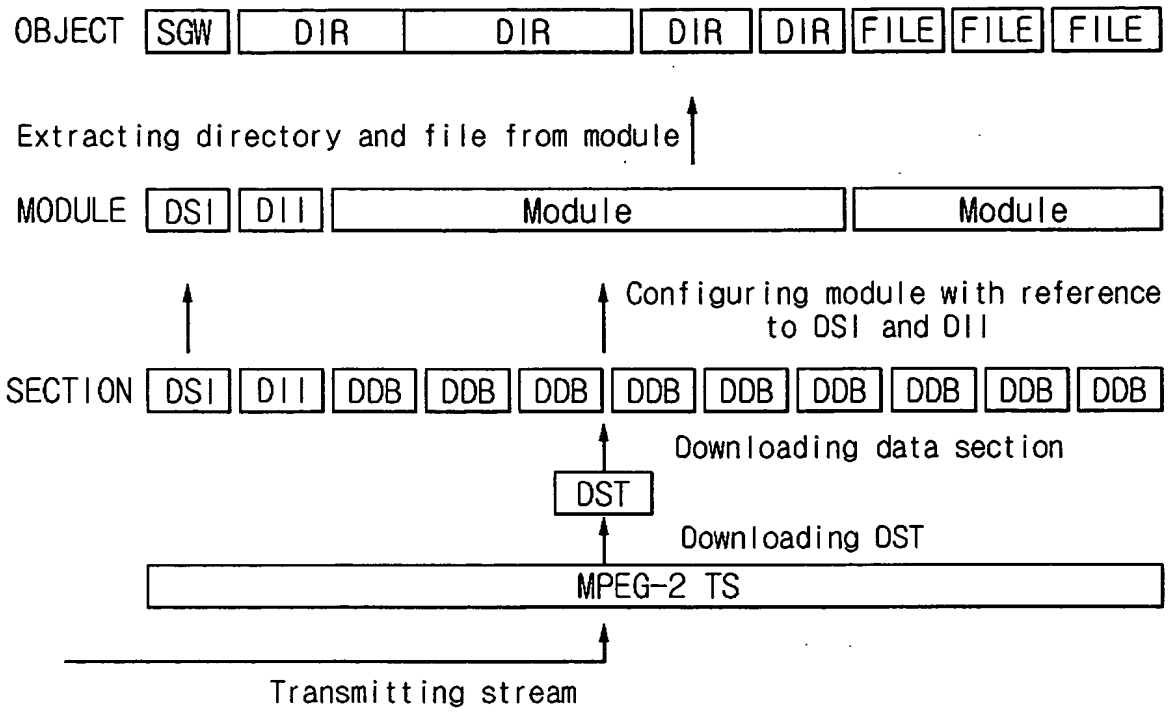

Fig.2

Syntax	No. of bits	Field value & Notes
Data_service_table_bytes() {		
Sdf_protocol_version	8	0x01
Application_count_in_section	8	
if(application_count_in_section > 0) {		
for(j = 0; j <application_count_in_section; j++) {		
compatibility_descriptor()		
app_id_byte_length	16	
if(app_id_byte_length > 1) {		
app_id_description	16	0x0000 (DASE application)
for(i=0;i< app_id_byte_length-2;i++) {		
app_id_byte	8	Lid format. ex) lid://kbs.co.kr/DA1/
}		
}		
tap_count	8	
for(i = 0; i < tap_count; i++) {		
protocol_encapsulation	8	
action_type	7	0x00 Run-Time data 0x01 Bootstrap
resource_location	1	
Tap()		In case of data carousel type : All modules
tap_info_length	16	
for(k=0; k<N; k++) {		
descriptor() }		Multipart descriptor() Download Descriptor()
app_data_length		
for(i = 0; i < app_data_length; i++) {		
app_data_byte		
}		
}		
}		
Service_info_length		
for(j=0; j<K;j++) {		
Descriptor()		advertisement-relevant descriptor
}		
For(j=0;j<service_private_data_length ;j++) {		
Service_private_data_byte		Providing advertisement picture file path
}		
}		

Fig.3

Syntax	**No. of bits**
Vendor_section() {	
table_id	8
section_syntax_indicator	1
private_indicator	1
reserved	2
private_section_length	12
table_id_extension	16
reserved	2
version_number	5
current_next_indicator	1
Section_number	8
last_section_number	8
Vendor_bytes()	
CRC_32	32
}	

Fig.4

Syntax	**No. of bits**	**Field value & Notes**
Vendor_bytes() {		
advertisement_byte_length	16	
for(i=0;I < advertisement_length;i++) {		
advertisement_byte	8	Image file to be used as advertisement is inserted
}		
}		

Fig.5

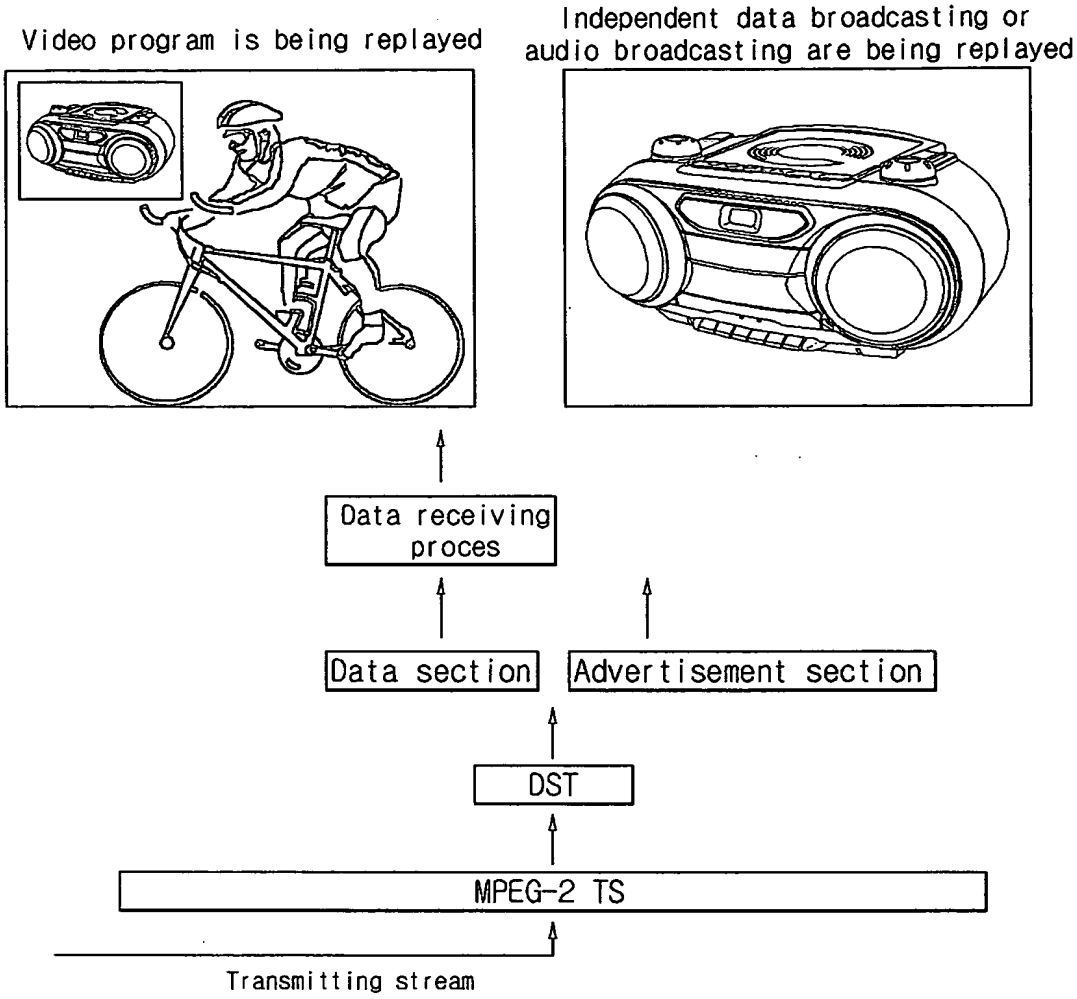
Video program is being replayed
Independent data broadcasting or audio broadcasting are being replayed
Data receiving proces
Data section
Advertisement section
DST
MPEG-2 TS
Transmitting stream

Fig.6

	No.of Bits	Identifier
application_information_section() {		
table_id	8	uimsbf
section_syntax_indicator	1	bslbf
reserved_future_use	1	bslbf
reserved	2	bslbf
section_length	12	uimsbf
application_type	16	uimsbf
reserved	2	bslbf
version_number	5	uimsbf
current_next_indicator	1	bslbf
section_number	8	uimsbf
last_section_number	8	uimsbf
reserved_future_use	4	bslbf
common_descriptors_length	12	uimsbf
for(i=0;i<N;i++){		
descriptor()		
}		
reserved_future_use	4	bslbf
application_loop_length	12	uimsbf
for(i=0;i<N;i++){		
application_identifier()		
application_control_code	8	uimsbf
reserved_future_use	4	Providing advertisement picture file path
application_descriptors_loop_length	12	uimsbf
for(j=0;j<N;j++){		
descriptor()		advertisement-relevant descriptor
}		
}		
CRC_32	32	rpchof
}		